

# FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

## COMPLETION DATA:

Date Well Completed

OW..... WW..... TA.....

GW..... OS..... PA.....

Location Inspected

Bond released

State of Fee Land

## LOGS FILED

Driker's Log. 2-10-59

Electric Logs (No.) 3

E..... I..... E-I..... GR..... GR-N..... Micro.....

Lat..... Mi-L..... Sonic..... Others.....

Beaut Report sent out



Noted in the NID File



Location map pinned



Approval or Disapproval Letter



Date Completed, P. & A. operations suspended

DATE COMPLETED OF THE WORKS SHALL BE RECORDED

Pin changed on location map



Affidavit and Record of A & P



Water Shut-Off Test

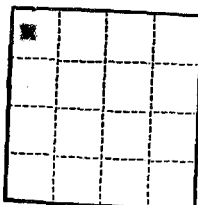


Gas-Oil Ratio Test



Well Log Filed





(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City, UtahLease No. 169347Unit USA - C. M. Brown

# SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 29, 19 58

Well No. 1 is located 660 ft. from N line and 660 ft. from W line of sec. 24  
NW/4 NW/4 SEC. 24 25 South 12 East 6th  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat Emery Utah  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is Unknown ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Pan American Petroleum Corporation proposes to drill a well at the above location to a total depth of 5900'. Approximately 300' of 13-3/8" surface casing will be set and cemented with approximately 400 sacks of regular cement from bottom of surface casing to surface. If commercial production is obtained 5 1/2" casing will be run from total depth to surface and cemented as required. In the event serious lost circulation or water flows are encountered an 8-5/8" intermediate string of casing will be set and cemented. The estimated depths to the top of important markers are: Entrada 300', Moenkopi 200', Coconino 3700', Hualapai Carbonate 4300', Missouri-Virgil 4500', San Moines (Paradox) 5300', Moine 5400', Mississippian 5900'.

Well will be cored upon encountering porosity or show. Anticipate approximately 100' of coring in the San Moines (Paradox) and Mississippian. A drill stem test will be taken of all zones of interest indicated by samples, cores, logs and gas detector. An electric log will be run from surface to total depth. Rotary tools will be used to drill the above

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

(SEE REVERSE SIDE)

Company Pan American Petroleum CorporationAddress P.O. Box 458, Brush, Colorado

By

Title

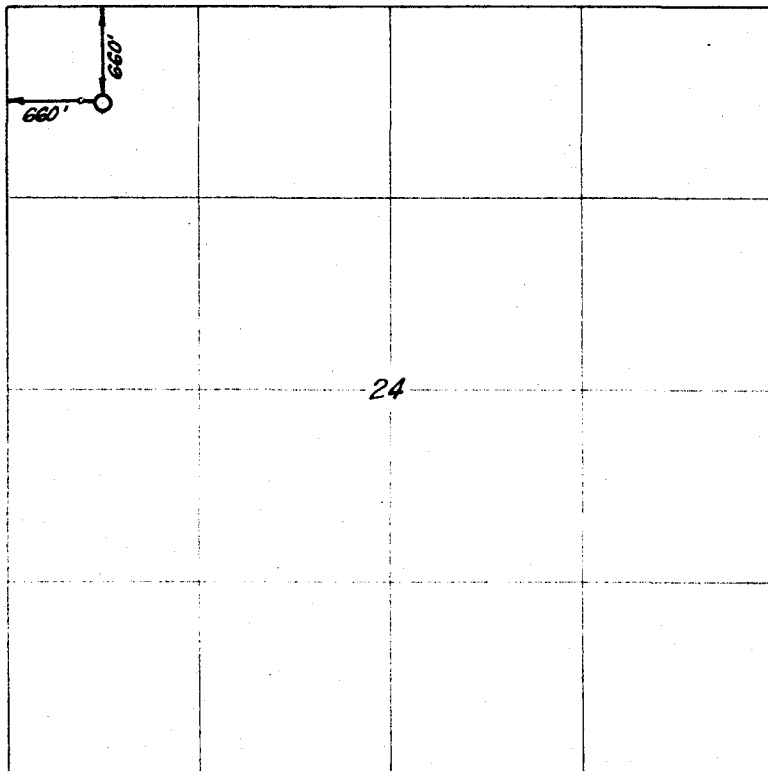
Field Superintendent

\* Per Kilmar - SL Office

well and a Bentonite base mud will be used with chemicals as needed for control of anhydrite, salt, etc. Oil will be added to the drilling mud if deemed necessary or beneficial. If commercial oil or gas is encountered, casing will be set through any prospective horizons and perforated. Stimulation will depend upon type of pay zone encountered. Ground elevation will be obtained by land surveyor.

OCT 31 1958

10828



Scale: 1" = 1/4 mile

PAN AMERICAN PETROLEUM CORPORATION

Well Name & No. U.S.A.-Brown No. 1 Lease No. U-068502

Location 660' from the West line and 660' from the North line

Being in NW 1/4 NW 1/4 Sec. 24, T. 25 S.-R. 12 E., S.L.M.

Emery County, Utah.

Surveyed October 29, 1958

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

E. H. Woolford  
C.E., Pan American Petroleum Corporation

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5.  
Approval expires 12-31-60.

LAND OFFICE Salt Lake  
LEASE NUMBER 169347  
UNIT U.S.A. Brown

# LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1958,

Agent's address P. O. Box 458, Brush, Colorado Company Pan American Petroleum Corporation

Signed [Signature]

Phone Victor 2-2893 Agent's title Field Clerk

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NW NW 24	25S	12E	1	0						Grading Roads.

O-1: HSGS  
CC: HSS  
CC: OGCC  
CC: FILE

NOTE.—There were no runs or sales of oil. Reported by Casper Office M cu. ft. of gas sold;  
no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329  
(January 1950)

November 5, 1958

Pan American Petroleum Corporation  
P. O. Box 458  
Brush, Colorado

Attention: F. A. Wilson, Field Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. C. M. Brown 1, which is to be located 660 feet from the north line and 660 feet from the west line of Section 24, Township 25 South, Range 12 East, SLBM, Emery County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

However, said approval is conditional upon a plat being submitted in accordance with Rule C-4, General Rules and Regulations and Rules of Practice and Procedure, Oil & Gas Conservation Commission, State of Utah.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
SECRETARY

CBF:co

cc: Don Russell  
USGS, Federal Bldg.  
Salt Lake City



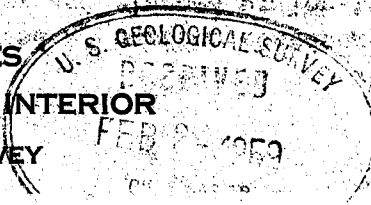




U. S. LAND OFFICE Salt Lake City, Utah  
SERIAL NUMBER 068502  
LEASE OR PERMIT TO PROSPECT

1									

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico  
 Lessor or Tract USA C. M. Brown Field Wildcat State Utah  
 Well No. 1 Sec. 24 T. 25S R. 12E Meridian 6th County Emery  
 Location 660 ft. S of N. Line and 660 ft. E of W. Line of Section 24 Elevation 5032  
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

ORIGINAL SIGNED BY  
Signed R. M. Bauer, Jr.Date January 30, 1959Title Field Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling November 7, 1958 Finished drilling January 5, 1959

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from None to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>13-3/8"</u>	<u>36</u>	<u>8RT</u>	<u>National</u>	<u>296'</u>	<u>Guide</u>				<u>Surface</u>

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/8"</u>	<u>310'</u>	<u>292 sacks</u>	<u>Halliburton No. 2 plug</u>		

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

# TOOLS USED

Rotary tools were used from 0 feet to 5929 feet, and from feet to feet  
 Cable tools were used from feet to feet, and from feet to feet

As a result of not encountering any oil or gas in commercial quantities the USA

C. M. Brown #1 was plugged and abandoned for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment.

Put to producing Plugged and abandoned January 9, 1959

Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

# EMPLOYEES

G. L. Cassel, Driller C. E. Griffith, Driller  
 Howard Slater, Driller L. L. Love, Driller

# FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	319	319	Surface sands & shales.
319	926	607	Navajo sands, shale & gypsum.
926	1160	234	Kayenta sands, shale & silt.
1160	1462	302	Wingate sand.
1462	1722	260	Chinle silt and shale, sands.
1722	1812	90	Shinarump silt, sands & chert.
1812	2037	225	Modenkopi dolomitic silt stone.
2037	2321	284	Sinbad calcareous siltstone & sandstone.
2321	2395	74	Kibab dolomitic & cherty limestone.
2395	3355	960	Coconino sandstone.
3355	3896	541	Wolfcamp dolomite & limestone.
3896	4105	209	Hermosa dolomite & limestone.
4105	4262	157	Paradox dolomite & limestone.
4262	4412	150	Paradox "B" zone dolomite & limestone.
4412	4574	141	Middle Paradox silty dolomite & limestone.
4574	4715	141	Middle Paradox silty dolomite & limestone.
4715	4990	275	Lower Paradox silty dolomite & limestone.
4990	5140	150	Molas limestone.
5140	5238	98	Leadville silty shale.
5238	5929	691	Madison chert & dolomite.

FROM- TO- TOTAL FEET (OVER) FORMATION 16-43094-4

# FORMATION RECORD - CONTINUED

2.	Spotted 50 sack plug 3790-3950.
3.	Spotted 75 sack plug 2182-2229.
4.	Spotted 50 sack plug 1340-1500.
5.	Spotted 75 sack plug 245-400.
6.	Spotted 10 sack plug at surface, and erected 4" surface abandonment marker. Spotted heavy mud between all plugs and cleaned up location.

ECW 9-320

U.S. GEOLOGICAL SURVEY  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT  
 DENVER, COLORADO 80219

# HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

USA C. M. Brown Well No. 1 was spudded on November 7, 1958, and on November 10, 1958 13-3/8" casing was set at 310' with 292 sacks of cement. After waiting on cement, casing and water shut off were tested with 600 pounds pressure, which held with no drop in pressure. Resumed drilling.

Drill stem test No. 1 1707-1817 - tested for four hours with strong blow. Recovered 360' of water cut mud, 1200' sulphur water (not salty) with globules of free oil. Initial shut in pressure 650 pounds, final shut in pressure 650 pounds. Drill stem test No. 2 2110-2153. Tested for two hours with 50 gallons MCA, weak blow to dead for 40 minutes. Recovered 30' acid cut mud. Initial shut in pressure 100 pounds, final shut in pressure 40 pounds. Drill stem test No. 3 - 2110-2222. Tested for 32 minutes. Recovered 22' mud. Initial shut in pressure 35 pounds, final shut in pressure 35 pounds. Drill stem test No. 4 - 2230-2305. Tested for 2 hours. Fair blow to dead. Recovered 22' mud. Initial shut in pressure 35 pounds, final shut in pressure 35 pounds. Drill stem test No. 5 - 2305-2391. Tested for 4 hours. Recovered 100' mud, 1235' maddy water, 30' fresh water with faint trace of oil. Started very weak flow for 6 minutes, increased to good flow for rest of test. Initial shut in pressure 785 pounds, final shut in pressure 725 pounds. Drill stem test No. 6 - 2395-2422. Tested for 3 hours. Recovered 1000' water cut mud, 700' sulphur, water very small amount of tar looking like dead oil. Good strong flow 1 hour, started to weaken and dead in 2 hours. Initial shut in pressure 750 pounds, final shut in pressure 745 pounds. Drill stem test No. 7 - 2430-2492. Tested for 2 hours. Fair blow throughout test. Recovered 1230' fresh water and 90' mud cut water. Bottom hole pressure flowing 390 to 735, bottom hole pressure shut in 1470. Initial shut in 30 minutes 1875 pounds. Drill stem test No. 8 - 5530-5600. Tested for three hours. Strong blow immediately decreasing to weak blow at end of test. Recovered 350' mud, 4500' slightly salty water and no show of oil or gas. Initial shut in bottom hole pressure 2125 pounds, final shut in bottom hole pressure 2095 pounds.

As a result of not encountering any oil or gas in commercial quantities the USA C. M. Brown No. 1 was plugged and abandoned as follows on January 9, 1959:

1. Spotted 50 sack plug 5038-5200.
2. Spotted 50 sack plug 3790-3950.
3. Spotted 75 sack plug 2182-2229.
4. Spotted 50 sack plug 1340-1500.
5. Spotted 75 sack plug 245-400.
6. Spotted 10 sack plug at surface, and erected 4" surface abandonment marker. Spotted heavy mud between all plugs and cleaned up location.

<b>X</b>			

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Salt Lake City, Utah**  
Lease No. **068502**  
Unit **USA C. M. Brown**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<b>X</b>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

USA C. M. Brown

Farmington, New Mexico January 9, 1959

Well No. **1** is located **660** ft. from **N** line and **660** ft. from **W** line of sec. **24**  
NW/4 NW/4 Section 24 T-25-S R-12-E 6th  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildest Emery Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ **ground** above sea level is **5032** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We propose to plug and abandon the USA C. M. Brown No. 1 as follows as a result of not encountering any oil or gas in commercial quantities:

1. Spot 50 sack plug from 5100-5200 at top of Mississippian.
2. Spot 50 sack plug from 3850-3950 at top of Pennsylvanian.
3. Spot 75 sack plug from 2275-2425 across Kaibab and top of Coconino.
4. Spot 50 sack plug from 1400-1500 at top of Chinle and base of Wingate.
5. Spot 75 sack plug from 285-400 at top of Navajo and up into 13-3/8" surface pipe.
6. Spot 10 sack plug in top of surface pipe, erect marker, and clean up location.
7. Spot heavy mud between plugs and surface marker.

NOTE: Verbal approval received January 8, 1959 to plug and abandon well from Mr. D. F. Russell with U.S.G.S. in Salt Lake City, Utah.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

ORIGINAL SIGNED BY  
R. M. Bauer, Jr.

Company **Pan American Petroleum Corporation**

Address **Box 487**  
**Farmington, New Mexico**

ORIGINAL SIGNED BY  
R. M. Bauer, Jr.

By \_\_\_\_\_

Title **Field Engineer**

X			

(SUBMIT IN TRIPPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah

Lease No. 068502

Unit USA-C. M. Brown

71-K  
1-19

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

USA - C. M. Brown

Farmington, New Mexico, January 16, 1959

Well No. 1 is located 660 ft. from N line and 660 ft. from E line of sec. 24

NW/4 NW/4 Section 24

T-25-S

R-12-E

6th

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Wildcat

Emery

Utah

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the ~~ground level~~ ground level above sea level is 5032 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The USA- C. M. Brown No. 1 was plugged and abandoned as follows on January 9, 1959, as a result of not encountering any oil or gas in commercial quantities.

1. Spotted 50 sack Plug 5038-5200
2. Spotted 50 sack Plug 3790-3950
3. Spotted 75 sack Plug 2182-2425
4. Spotted 50 sack Plug 1340-1500
5. Spotted 75 sack Plug 245 - 400
6. Spotted 10 sack Plug at surface and erected 4" surface abandonment marker.

Spotted heavy mud between all plugs and cleaned up location.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company PAN AMERICAN PETROLEUM CORPORATION

Address P. O. Box 487

Farmington, New Mexico

ORIGINAL SIGNED BY

R. M. Bauer

By

Title Field Engineer

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
State Capitol Building  
Salt Lake City 14, Utah

## REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Emery Field No. U. S. A. Brown

The following is a correct report of operations and production (including drilling and producing wells) for

.....January....., 19.....59

Agent's address P. O. Box "L"

Company Pan American Petroleum Corporation

Brush, Colorado

Signed \_\_\_\_\_

Phone Victor 2-2893

Agent's title Field Clerk

State Lease No. \_\_\_\_\_ Federal Lease No. 169347 Indian Lease No. \_\_\_\_\_ Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NW NW 24	25S	12E	1	PXA				Well Plugged and Abandoned 1-9-59

1: OGCC - Utah

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

\*STATUS: F-Flowing P-Pumping GL-Gas Lift  
SI-Shut In D-Dead  
GI-Gas Injection TA-Temp. Aban.  
WI-Water Injection